AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph starting at page 1, line 26 and ending at page 2, line 24 as follows.

--Numeral 103 denotes a sheet convey control portion which feeds and conveys a sheet to be printed and which executes sheet conveyance up to discharging of a sheet after being printed, based on an instruction from the engine control portion; numeral 104 an optical system control portion which executes control ~~of driving of~~ to drive a scanner motor and ON/OFF of a laser, based on an instruction from the engine control portion; numeral 105 a high voltage control portion which executes output of high voltages necessary for the electrophotographic process including charging, developing, transferring, and so on, based on an instruction from the engine control portion; numeral 106 a fixing temperature control portion which performs control of temperature of a fixing device, based on an instruction from the engine control portion, and which performs detection of abnormality of the fixing device, and the like; numeral 107 a sheet presence/absence sensor input portion which transmits information of sheet presence/absence sensors in a sheet feed portion and in a sheet conveyance path to the engine control portion; numeral 108 a jam detecting portion which detects defective conveyance during sheet conveyance; numeral 109 a breakdown detecting portion which detects a breakdown of a functional part in the printer; and numeral 110 a toner cartridge detachably attachable to the printer engine.--

Please amend the paragraph starting at page 3, line 21 and ending at line 26 as follows.

--The present invention has been accomplished in view of the above-stated problem and an object of the invention is to provide an image processing apparatus that can maintain the uniformity of image quality in printing of identical images and that can drastically improve the performance of the printer.--

Please amend the paragraph starting at page 6, line 14 and ending at page 7, line 9 as follows.

--Numeral 1 designates a photosensitive drum for forming an electrostatic latent image, 2 a charging roller for uniformly charging the photosensitive drum 1, 5 an optical unit for scanning the area on the photosensitive drum 1 with a laser beam, 6 the laser beam emitted from the optical unit 5, 3 a developing device for developing, with toner, the electrostatic latent image formed on the photosensitive drum 1 with the laser beam, 4 a transferring roller charging device for transferring a toner image on the photosensitive drum 1 onto a predetermined sheet, 7 a fixing device for fusing the toner on the sheet to fix the toner image on the sheet, 8 a standard cassette for carrying sheets for print, 9 a standard cassette sheet feed roller for picking up a sheet from the standard cassette, 10 discharging rollers for discharging a sheet out of the apparatus, 11 a registration sensor for effecting registration of the leading end for printing of a sheet having been conveyed thereto, 12 a sheet discharge sensor for checking whether a sheet has normally been discharged from the fixing device, and 13 a sensor for detecting presence/absence of a sheet in the standard cassette.--

Please amend the paragraph starting at page 7, line 16 and ending at page 8, line 1 as follows.

--Numeral 19 represents a non-volatile memory mounted in the cartridge, which stores information, e.g., concerning the photosensitive drum in the cartridge and the volume of toner in the developing device. Data, e.g., about consumption of toner, is written from the engine control portion into the memory according to the print operation of the engine or the like. In the engine control portion there exists a memory access means 302 described hereinafter and access is made through the memory access means 302 to the non-volatile memory 19 at a predetermined timing, or in accordance with a read request or a write request from the printer controller.--

Please amend the paragraph starting at page 8, line 15 and ending at page 9, line 7 as follows.

--Numeral 203 represents the sheet convey control portion which sequentially performs the processes of feeding, conveyance, and discharging of a sheet, based on an instruction from the engine control portion; 204 the optical system control portion which performs driving/stopping of the scanner motor, control of emission of laser, etc., based on an instruction from the engine control portion; and 205 the high voltage control portion which executes control of respective high voltages of charging, developing, and transferring, based on an instruction from the engine control portion, the high voltage control portion carrying out control to switch process conditions in accordance with an instruction from a process condition switching means in the engine control portion, which will be described hereinafter. In the

present embodiment, the apparatus is adapted to perform control to lower the electric current value with an increase in an operation quantity, based on the operation quantity of the drum (total drum rotation time).--

Please amend the paragraph starting at page 9, line 8 and ending at page 10, line 3 as follows.

--Numeral 206 indicates the fixing temperature control portion which carries out control of the temperature of the fixing device, based on an instruction from the engine control portion; 207 the sheet presence/absence sensor input portion which detects presence/absence of a sheet in the cassette, presence/absence of a sheet in the conveyance path, etc., to transmit the detection result to the engine control portion; 208 the jam detecting portion which detects an abnormality in sheet conveyance; ~~of sheet;~~ 209 the breakdown detecting portion which detects an abnormality of each function in the print process, such as an abnormality of the motor for sheet conveyance, ~~of sheet,~~ an abnormality of the fixing device, and so on; 300 the toner cartridge which incorporates the photosensitive drum and the charging and developing functions, which is detachably attachable to the printer engine, which carries the non-volatile memory 301 inside, and which has the function of transmitting and receiving data to and from the engine control portion; and 302 the memory access means in the engine control portion, which performs reading/writing of data from or in the non-volatile memory 301 in the toner cartridge.--

Please amend the paragraph starting at page 11, line 5 and ending at line 13 as follows.

--Numeral 311 represents /CS signal which is a chip select signal outputted from the memory access means to the non-volatile memory; 312 represents /DOUT signal which is a serial command signal outputted from the memory access means to the non-volatile memory; 313 represents /DIN signal which is a data signal returned from the non-volatile memory to the memory access means; and 314 represents /CLK signal which is a serial synchronous clock outputted from the memory access means to the non-volatile memory.--

Please amend the paragraph starting at page 11, line 14 and ending at line 22 as follows.

--Numeral 303 denotes a switch timing control means in the engine control portion, which monitors the state of the engine control portion and which determines switch timing of the process conditions[[;]]. Numeral 304 denotes a process condition switching means which gives the high voltage control portion an instruction to change the predetermined high voltage outputs to outputs matching with the memory contents, in accordance with an instruction from the switch timing control means 303.--

Please amend the paragraph starting at page 15, line 13 and ending at page 16, line 6 as follows.

--Numeral 203 represents the sheet convey control portion which sequentially performs the processes of feeding, conveyance, and sheet discharging ~~of sheet~~, based on an instruction from the engine control portion[[;]]. Numeral 204 represents the optical system

control portion which performs driving/stopping of the scanner motor, control of laser emission ~~of laser~~, etc., based on an instruction from the engine control portion[[;]]. Numeral 205 represents the high voltage control portion which executes control of the respective high voltages of charging, developing, and transferring, based on an instruction from the engine control portion, the high voltage control portion carrying out control to switch the process conditions in accordance with an instruction from the process condition switching means in the engine control portion, which will be described hereinafter. In the present embodiment, the apparatus is adapted to perform the control to lower the electric current value with an increase in an operation quantity, based on the operation quantity of the drum (total drum rotation time).--

Please amend the paragraph starting at page 16, line 7 and ending at page 17, line 2 as follows.

--Numeral 206 indicates the fixing temperature control portion which carries out the control of temperature of the fixing device, based on an instruction from the engine control portion[[;]]. Numeral 207 represents the sheet presence/absence sensor input portion which detects presence/absence of a sheet in the cassette, presence/absence of a sheet in the conveyance path, etc., to transmit the detection result to the engine control portion[[;]]. Numeral 208 indicates the jam detecting portion which detects an abnormality in sheet conveyance. ~~of sheet;~~ Numeral 209 indicates the breakdown detecting portion which detects an abnormality of each function in the print process, such as an abnormality of the motor for sheet conveyance ~~of sheet~~, an abnormality of the fixing device, and so on[[;]]. Numeral 300 indicates the toner cartridge which incorporates the photosensitive drum and the charging and developing functions, which is detachably attachable to the printer engine, which carries the non-volatile memory 301

inside, and which has the function of transmitting and receiving data to and from the engine control portion[[;]]. Numeral 302 indicates the memory access means in the engine control portion, which performs reading/writing of data from or in the non-volatile memory 301 in the toner cartridge.--